ASSIGNMENT 8

Textbook Assignment: Chapter 9 - Planning, Estimating, and Scheduling

- 8-1. The process of determining requirements, and devising and developing methods for constructing a project is called
 - 1. estimating
 - 2. scheduling
 - 3. planning
 - 4. production standardization
- 8-2. Precise statements of quantities are what type of estimates?
 - 1. Preliminary
 - 2. Detailed
 - 3. Activity
 - 4. Manpower
- 8-3. When using the Seabee Planner's and Estimator's Handbook for manpower estimates, a man-day unit is equal to what hour work day?
 - 1. 7
 - 2. 7 1/2
 - 3. 8
 - 4. 10
- 8-4. The work schedule of a deployed Seabee battalion is based on an average of 65 hours per man per week.
 - 1. True
 - 2. False
- 8-5. Which of the following types of labor is considered productive labor not contributing directly or Indirectly to the product?
 - 1. Overhead
 - 2. Direct
 - 3. Indirect
 - 4. Manual

- 8-6. The individual who evaluates a job, has a working knowledge of all phases of construction, and can mentally picture separate operations of the project as it progresses is called the
 - 1. scheduler
 - 2. estimator
 - 3. planner
 - 4. builder
- 8-7. The process of determining when an action must be taken and when material, equipment, and manpower are required is called
 - 1. estimating
 - 2. planning
 - 3. scheduling
 - 4. coordination
- 8-8. What type of schedule is used to coordinate the manpower requirements of a project and show the number of personnel required for each activity?
 - 1. Progress
 - 2. Equipment
 - 3. Material
 - 4. Manpower
- 8-9. When analyzing a project, scheduling always precedes planning.
 - 1. True
 - 2. False
- 8-10. A project folder package contains what total number of individual folders?
 - 1. 8
 - 2. 9
 - 3. 10
 - 4. 11

- 8-11. The right side of project file 8-17. On specifications, a list of folder number 1 contains what information?
 - 1. Predeployment visit summary
 - Project scope sheet
 - 3. Level II
 - 4. Tasking letter
- What project file folder contains 8-18. 8-12. information on all activities pertaining to the project?
 - 1. 1
 - 2, 2
 - 3. 3
 - 4. 4
- The right side of project file 8-13. folder 5 contains the project bill of materials.
 - 1. True
 - 2. False
- 8-14. The safety plan that you, as a Builder, develop is located (a) on what side of (b) what file folder?
 - 1 (a) Left side
 - (b) File folder 6
 - 2. (a) Left side
 - (b) File folder 7
 - (a) Right side 3.
 - (b) File folder 6
 - 4. (a) Right side
 - (b) File folder 7
- The left side of project file folder 9 contains the highlighted project specifications.
 - 1. True
 - 2. False
- When using blueprints, what section should you check to ensure changes were recorded?
 - 1. Revisions
 - 2. Notes
 - 3. Specifications
 - 4. Construction drawings

- unusual or unfamiliar items of work or materials is called
 - 1. revisions
 - 2. quantity estimates
 - 3. notes
 - 4. statistics
- What type of estimate is used as a basis for purchasing materials, and determining equipment and manpower requirements?
 - 1. Activity
 - 2. Equipment
 - 3. Quantity
 - 4. Material
- 8-19. Which of the following procedures is the best way to check your estimates?
 - 1. Have another person check the measurements
 - Have another person make an independent estimate and compare the two
 - Have another person initial the estimates as you complete them
 - 4. Have a crewmember sign the estimate
 - 8-20. Which of the following problems can lead to omissions in your quantity estimates?
 - 1. Failure to read all notes on drawings
 - Errors in scaling
 - Failure to allow for waste and loss of construction material
 - 4. All of the above
 - What should an experienced 8-21. estimator do if he finds that details on a drawing are not drawn to scale?
 - 1. Approximate the dimensions
 - 2. Use the same scale that was used elsewhere on the drawings
 - 3. Assume an approximate scale
 - 4. Obtain the dimensions from another source

- 8-22. Which of the following documents provides information for material, equipment, and manpower requirements?
 - 1. Planning estimates
 - 2. Scheduling estimates
 - 3. Activity estimates
 - 4. Specifications and drawings
- 8-23. For estimating purposes, how should an activity be defined?
 - 1. Single-task, single-trade
 - 2. Single-task, multi-trade
 - 3. Multi-task, multi-trade
 - 4. Multi-task, single-trade
- 8-24. When identifying an activity for an activity estimate, you must ensure that the
 - 1. description is not complicated
 - description includes all trades required to do the task
 - 3. manpower is available to accomplish the task
 - description identifies a specific quantity of work
- 8-25. Material estimates have which of the following uses?
 - Procurement and determination of availability of materials
 - Justification for and procurement of material
 - Scheduling of equipment for projects
 - 4. Planning manpower needs
- 8-26. When estimating, which of the following forms should be used to list the required materials needed to complete each individual activity?
 - 1. Bill of material
 - 2. Material takeoff
 - 3. Estimating worksheet
 - 4. Material estimate

- 8-27. Which of the following NAVFAC publications contains conversion and waste factors for construction materials?
 - 1. P-405, App C
 - 2. P-437, Vol I
 - 3. P-458, Vol II
 - 4. DM-4.3
- 8-28. When ordering construction materials, long lead items are readily available through the supply system.
 - 1. True
 - 2. False
- 8-29. The average rate of speed for a vehicle moving materials over roadways is computed by using what percentage of the posted speed limit?
 - 1. 10% to 15%
 - 2. 20% to 30%
 - 3. 40% to 56%
 - 4. 60% to 76%
- 8-30. Where can an estimator locate
 Information on the quantities and
 characteristics of construction
 equipment?
 - 1. SAMM program
 - 2. NMCB TOA
 - 3. NAVFAC P-405
 - 4. NAVFAC P-437
- 8-31. Which of the following NAVFAC publications contains estimating information on common facilities and assemblies
 - 1. P-349
 - 2. P-405
 - 3. P-437
 - 4. P-458
- 8-32. NAVFAC P-405, Seabee Planner's and Estimator's Handbook, defines a man-day as how many man-hours?
 - 1. 6
 - 2. 8
 - 3. 10
 - 4. 12

- 8-33. The man-hour estimating tables in NAVFAC P-405 are arranged into how many divisions of work?
 - 1. 10
 - 2. 12
 - 3. 14
 - 4. 16
- 8-34. CPA, CPM, and PERT are techniques used in the analysis of a flow of events and activities of a construction project. What is the generic title covering these techniques?
 - 1. Network analysis
 - 2. Planning and estimating
 - 3. Flow charting
 - 4. Project analysis
- 8-35. A network remains constant throughout its duration and is a statement of logic and policy.

 Modifications of the policy are allowed.
 - 1. True
 - 2. False
- 8-36. The sequencing of priorities among the activities making up a project can be represented by a/an
 - 1. estimate
 - 2. network
 - 3. plan
 - 4. SAMM program
- 8-37. Placing underslab conduit runs before pouring concrete is considered what type of dependency?
 - 1. Soft
 - 2. Continuing
 - 3. Flexible
 - 4. Hard
- 8-38. The basic concept behind precedence scheduling is known as
 - 1. CPM
 - 2. PERT
 - 3. SAMM
 - 4. ADM

- 8-39. In precedence diagrams, how are activities represented?
 - 1. An octagon box
 - 2. A rectangular box
 - 3. A start and finish node
 - 4. A round node
 - 8-40. The general flow of a precedence diagram is represented by
 - 1. an alphabetical sequence
 - 2. a numerical sequence
 - 3. arrows
 - 4. connectors
 - 8-41. In a precedence diagram, what information about an activity can be found on the right side of an activity box?
 - 1. The completion
 - 2. The start
 - 3. The man-hours
 - 4. The critical event
 - 8-42. In a precedence diagram, activities may be divided into how many distinct groups?
 - 1. One
 - 2. Two
 - 3. Three
 - 4. Four
 - 8-43. In a precedence diagram, intermediate goals with no time duration relate to what kind of activities?
 - 1. Working
 - 2. Milestone
 - 3. Critical
 - 4. Support
 - 8-44. How are critical activities in a precedence diagram identified?
 - 1. By arrows
 - 2. By slash marks through the activity box
 - 3. By a red circle around the activity
 - 4. By slash marks through the activity connector

- Which of the following rules 8-45. governs the drawing of a network?
 - 1. Activities must be numbered in sequence
 - 2. The start of an activity must be linked to the ends of all completed activities before the start may take place
 - 3. Activities taking place at the same time must be linked before the start may take place
 - 4. Only critical path activities may be linked to each other
- 8-46. When two network activities are when two network activities are remote from each other but must be connected to show dependency, what type of connector should be used?
 - 1. Direct
 - 2. Joining
 - 3. splitting
 - 4. Parallel

- 8-47. For what reason should you use a dummy event or focal activity in a network?
 - To simplify the network 1.
 - 2. To show lead or lag
 - 3. To represent a delay
 - 4. To determine independent activities
- 8-48. In a network, what is the main objective of the forward pass?
 - 1. To determine the number of activities
 - 2. To allow for material delays
 - 3. To establish the late start and late finish of each activity
 - 4. To determine the duration of the network
 - 8-49. The longest path through a network is the critical path.
 - 1. True
 - 2. False
 - What term identifies the amount of scheduled leeway allowed in a network?
 - 1. Free play
 - 2. Allowance of time
 - 3. Float or slack
 - 4. Dead time or null time

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